Application No.	Applicant(s) HEARD, WILLIAM C.		
10/723,465			
Examiner	Art Unit		
George Suchfield	3676		

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The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not include will be mailed in due	ed course. THIS	
1. X This communication is responsive to 3/24/04 Communication	ion.			
2. 🔀 The allowed claim(s) is/are <u>1-20</u> .				
Acknowledgment is made of a claim for foreign priority ur a) □ All b) □ Some* c) □ None of the:				
 Certified copies of the priority documents have been received. 				
2. Certified copies of the priority documents have been received in Application No				
Copies of the certified copies of the priority do	cuments have been received in this i	national stage applica	tion from the	
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this application.	complying with the rec	quirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINER' es reason(s) why the oath or declara	S AMENDMENT or N tion is deficient.	OTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) ☐ including changes required by the Notice of Draftspers		948) attached		
1) hereto or 2) to Paper No./Mail Date				
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date				
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the drawir he header according to 37 CFR 1.121(c	gs in the front (not the i).	back) of	
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 				
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application (PTO-152)			
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☑ Interview Summary (PTO-413),			
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 3/24/04 	Paper No./Mail Dat 8), 7. ⊠ Examiner's Amendr			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's Stateme	nt of Reasons for Allo	wance	
	9. Other			
		George Suchfield Primary Examiner Art Unit: 3676		

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William D. Jackson on October 5, 2005, wherein it was pointed out that Figure 1 did not provide a drawing label 10 and the specification in Para [0019], page 10, incorrectly referred to a row of wells 24, rather than 34. Accordingly, it was agreed to delete the references to "curve 10" in pages 7 and 8 of the specification, and change "24" to "34" in page 10 as set forth below. It was further agreed that the examiner would provide the correct spelling of "carbonaceous" in claim 1.

The application has been amended as follows:

In the specification at page 7, line 6 of Para [0015], the recitation "curve 10" has been changed to read -- the curve -- .

In the specification at page 8, line 2, the recitation "a curve 10" has been changed to read -- the curve -- .

In the specification at page 10, line 8, "24" has been changed to -- 34 -- .

In claim 1, line 12, the term "carbonatious" has been changed to read -- carbonaceous -- .

2. The following is an examiner's statement of reasons for allowance:

The primary reason for the allowance of claims is that none of the references cited, taken either singly or in combination, teach or disclose a method for the storage of hydrogen within a solid carbonaceous subterranean formation, as in the claimed combinations, including the representative steps (c) - (e) of claim 1. For example, the reference to Chaback et al (5,454,666)

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discloses the injection of a gas into a solid carbonaceous subterranean formation, such as a coal bed or deposit, after the desorption and recovery of methane, however the gas is injected into the formation for permanent disposal therein, rather than for storage and subsequent use, and further such gas does not appear to include hydrogen. It is further noted reference to Magnie (4,183,405) discloses injection of hydrogen into a subterranean crude oil reservoir for the purpose of forming a gas cap in the reservoir upon exceeding the adsorption capacity of the crude oil for hydrogen, but does not disclose a step(s) of desorbing methane from a solid carbonaceous subterranean formation, as required by the pending claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Suchfield whose telephone number is 571-272-7036. The examiner can normally be reached on M-F (6:30 - 3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Glessner can be reached on 571-272-6843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

George Suchfield Primary Examiner Art Unit 3676

Gs October 5, 2005